Title (en)
SYSTEMS AND METHODS FOR OPERATING A REFRIGERATION SYSTEM

Title (de)
SYSTEME UND VERFAHREN ZUM BETREIBEN EINER KÄLTEANLAGE

Title (fr)
SYSTÈMES ET PROCÉDÉS POUR FAIRE FONCTIONNER UN SYSTÈME DE RÉFRIGÉRATION

Publication
**EP 2988077 B1 20200429 (EN)**

Application
**EP 15179651 A 20150804**

Priority
US 201414461605 A 20140818

Abstract (en)
[origin: EP2988077A1] Methods and systems for operating a refrigeration system for refrigerating a product are provided. A first temperature of the refrigerant downstream of a condenser and upstream of an evaporator may be obtained. A first pressure of the refrigerant downstream of the condenser and upstream of the evaporator may be obtained. A second pressure of the refrigerant downstream of the evaporator and upstream of a compressor and/or a temperature of the product being refrigerated may be obtained. A first valve, disposed between the condenser and the evaporator, may be controlled based on the first temperature and the first pressure to maintain a pre-determined cooling set-point for the refrigeration system. A second valve of the refrigeration system, coupled to the compressor, may be controlled based on the second pressure or the temperature of the product to optimize a capacity of a compressor of the refrigeration system.

IPC 8 full level
**F25B 49/02** (2006.01)

CPC (source: EP US)
**F25B 49/02** (2013.01 - EP US); **F25D 17/06** (2013.01 - US); **F25D 29/001** (2013.01 - US); F25B 2600/0261 (2013.01 - EP US); F25B 2600/17 (2013.01 - EP US); F25B 2600/19 (2013.01 - EP US); F25B 2600/21 (2013.01 - EP US); F25B 2600/2513 (2013.01 - EP US); F25B 2700/195 (2013.01 - EP US); F25B 2700/197 (2013.01 - EP US); F25B 2700/21163 (2013.01 - EP US); F25B 2700/21175 (2013.01 - EP US); F25D 2700/121 (2013.01 - US); F25D 2700/123 (2013.01 - US); F25D 2700/16 (2013.01 - US)

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DOCDB simple family (publication)
**EP 2988077 A1 20160224**; **EP 2988077 B1 20200429**; JP 2016042012 A 20160331; JP 2020128870 A 20200827; JP 6768266 B2 20201014; US 2016047595 A1 20160218; US 2017059240 A1 20170302

DOCDB simple family (application)
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